

C-585 PCT

**TRANSMITTAL LETTER TO THE  
UNITED STATES RECEIVING OFFICE**

|                               |                  |
|-------------------------------|------------------|
| Date                          | 14 January 2005  |
| International Application No. | Not Yet Assigned |
| Attorney Docket No.           | S9025.0031       |

**I. Certificate under 37 CFR 1.10 (if applicable)**

|                             |
|-----------------------------|
| EV 059 558 602 US           |
| Express Mail mailing number |

|                 |
|-----------------|
| Date of Deposit |
|-----------------|

I hereby certify that the application/correspondence attached hereto is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to MS PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*Edward A. Meilman*  
Signature of person mailing correspondence

Edward A. Meilman

Typed or printed name of person mailing correspondence

**II.  New International Application**

|       |                                                          |                                         |
|-------|----------------------------------------------------------|-----------------------------------------|
| TITLE | HYBRID ENERGY CURABLE SOLVENT-BASED LIQUID PRINTING INKS | Earliest priority date (Day/Month/Year) |
|       |                                                          | 14 January 2004                         |

**SCREENING DISCLOSURE INFORMATION:** In order to assist in screening the accompanying international application for purposes of determining whether a license for foreign transmittal should and could be granted and for other purposes, the following information is supplied. (Note: check as many boxes as apply):

- A.  The invention disclosed was not made in the United States.
- B.  There is no prior U.S. application relating to this invention.
- C.  The following prior U.S. application(s) contain subject matter which is related to the invention disclosed in the attached international application. (NOTE: priority to these applications may or may not be claimed on form PCT/RO/101 (Request) and this listing does not constitute a claim for priority.)

|                 |            |          |                 |
|-----------------|------------|----------|-----------------|
| application no. | 60/536,361 | filed on | 14 January 2004 |
| application no. |            | filed on |                 |
| application no. |            | filed on |                 |
| application no. |            | filed on |                 |
| application no. |            | filed on |                 |

- D.  The present international application  contains additional subject matter not found in the prior U.S. application(s) identified in paragraph C. above. The additional subject matter is found on pages  throughout and  DOES NOT ALTER  MIGHT BE CONSIDERED TO ALTER the general nature of the invention in a manner which would require the U.S. application to have been made available for inspection by the appropriate defense agencies under 35 U.S.C. 181 and 37 CFR 5.1. See 37 CFR 5.15.

**III.  A Response to an Invitation from the RO/US. The following document(s) is(are) enclosed:**

- A.  A Request for An Extension of Time to File a Response
- B.  A Power of Attorney (General or Regular)
- C.  Replacement Pages

| pages | of the request PCT/RO/101) | pages | of the figures  |
|-------|----------------------------|-------|-----------------|
| pages | of the description         | pages | of the abstract |
| pages | of the claims              |       |                 |

- D.  Submission of Priority Documents

|                   |                   |
|-------------------|-------------------|
| Priority document | Priority document |
|-------------------|-------------------|

- E.  Fees as specified on attached Fee Calculation sheet form PCT/RO/101 annex

**IV.  A Request for Rectification under PCT Rule 91     A Petition     A Sequence Listing Diskette**

**V.  Other (please specify):**

|                                      |                                                                    |                                       |
|--------------------------------------|--------------------------------------------------------------------|---------------------------------------|
| The person signing this form is the: | <input type="checkbox"/> Applicant                                 | Edward A. Meilman                     |
|                                      | <input checked="" type="checkbox"/> Attorney/Agent Reg. No. 24,735 | Typed name of signer                  |
|                                      | <input type="checkbox"/> Common Representative                     | <i>Edward A. Meilman</i><br>Signature |

PCT

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only

International Application No.

International Filing Date

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference  
(if desired) (12 characters maximum) S9025.0031

Box No. I TITLE OF INVENTION

HYBRID ENERGY CURABLE SOLVENT-BASED LIQUID PRINTING INKS

Box No. II APPLICANT

This person is also inventor

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

SUN CHEMICAL CORPORATION  
222 Bridge Plaza South  
Fort Lee, New Jersey 07024  
United States of America

Telephone No.  
(201) 224-4600

Facsimile No.  
(201) 224-4392

Teleprinter No.

Applicant's registration No. with the Office

State (that is, country) of nationality:  
US

State (that is, country) of residence:  
US

This person is applicant  all designated States  all designated States except the United States of America  the United States of America only  the States indicated in the Supplemental Box

Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

LAKSIN, Mikhail  
29 Kincaid Road  
Boonton, New Jersey 07005  
United States of America

This person is:

applicant only

applicant and inventor

inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:  
US

State (that is, country) of residence:  
US

This person is applicant  all designated States  all designated States except the United States of America  the United States of America only  the States indicated in the Supplemental Box

Further applicants and/or (further) inventors are indicated on a continuation sheet.

Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE

The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:

agent  common representative

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

MEILMAN, Edward A.  
Dickstein Shapiro Morin & Oshinsky LLP  
1177 Avenue of the Americas  
41st Floor  
New York, New York 10036-2714  
United States of America

Telephone No.  
(212) 896-5471

Facsimile No.  
(212) 997-9880

Teleprinter No.

Agent's registration No. with the Office  
24,735

Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

## Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

*If none of the following sub-boxes is used, this sheet should not be included in the request.*

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

CHATTERJEE, Subhankar  
60 Norma Road  
Hampton, New Jersey 08827  
United States of America

This person is:

applicant only  
 applicant and inventor  
 inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:  
USState (that is, country) of residence:  
US

This person is applicant  all designated  all designated States except  the United States of America  the United States of America only  the States indicated in the Supplemental Box for the purposes of: States the United States of America

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

BIRO, David Anthony  
42 Cayuga Ave.  
Rockaway, New Jersey 07866  
United States of America

This person is:

applicant only  
 applicant and inventor  
 inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:  
CAState (that is, country) of residence:  
US

This person is applicant  all designated  all designated States except  the United States of America  the United States of America only  the States indicated in the Supplemental Box for the purposes of: States the United States of America

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

This person is:

applicant only  
 applicant and inventor  
 inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:

State (that is, country) of residence:

This person is applicant  all designated  all designated States except  the United States of America  the United States of America only  the States indicated in the Supplemental Box for the purposes of: States the United States of America

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

This person is:

applicant only  
 applicant and inventor  
 inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:

State (that is, country) of residence:

This person is applicant  all designated  all designated States except  the United States of America  the United States of America only  the States indicated in the Supplemental Box for the purposes of: States the United States of America

Further applicants and/or (further) inventors are indicated on another continuation sheet.

**Supplemental Box** If the Supplemental Box is not used, this sheet should not be included in the request.

1. If, in any of the Boxes except Boxes Nos. VIII(i) to (v) for which a special continuation box is provided, the space is insufficient to furnish all the information: in such case, write "Continuation of box No. ...." (indicate the number of the Box) and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in particular:
  - (i) if more than two persons are to be indicated as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;
  - (ii) if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;
  - (iii) if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;
  - (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box IV;
  - (v) if, in Box No. VI, there are more than three earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.
2. If, the applicant intends to make an indication of the wish that the international application be treated, in certain designated States, as an application for a patent of addition, certificate of addition, inventor's certificate of addition or utility certificate of addition: in such a case, write the name or two-letter code of each designated States concerned and the indication "patent of addition," "certificate of addition," "inventor's certificate of addition" or "utility certificate of addition," the number of the parent application or parent patent or other parent grant and the date of grant of the parent patent or other patent grant or the date of filing of the parent application (Rules 4.11(a)(iii) and 49bis.1(a) or (b)).
3. If the applicant intends to make an indication of the wish that the international application be treated, in the United States of America, as a continuation or continuation-in-part of an earlier application: in such a case, write "United States of America" or "US" and the indication "continuation" or "continuation-in-part" and the number and the filing date of the parent application (Rules 4.11(a)(iv) and 49bis.1(d)).

Continuation of Box No. IV:

Practitioners associated with customer number 32172.

**Box No. V DESIGNATIONS**

The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.

However,

- DE Germany is not designated for any kind of national protection.
- KR Republic of Korea is not designated for any kind of national protection.
- RU Russian Federation is not designated for any kind of national protection.

(The check-boxes above may be used to exclude (irrevocably) the designations concerned in order to avoid the ceasing of the effect, under the national law, of an earlier national application from which priority is claimed. See the Notes to Box No. V as to the consequences of such national law provisions in these and certain other States.)

**Box No. VI PRIORITY CLAIM**

The priority of the following earlier application(s) is hereby claimed:

| Filing date<br>of earlier application<br>(day/month/year) | Number<br>of earlier application | Where earlier application is:                        |                                            |                                               |
|-----------------------------------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------|-----------------------------------------------|
|                                                           |                                  | national application:<br>country or Member<br>of WTO | regional application: *<br>regional Office | international application<br>receiving Office |
| item (1) 14 January 2004<br>(14.01.2004)                  | 60/536,361                       | US                                                   |                                            |                                               |
| item (2)                                                  |                                  |                                                      |                                            |                                               |
| item (3)                                                  |                                  |                                                      |                                            |                                               |

Further priority claims are indicated in the Supplemental Box.

The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of this international application is the receiving Office) identified above as:

- all items
- item (1)
- item (2)
- item (3)
- other, see Supplemental Box

\* Where the earlier application is an ARIPO application, indicate at least one country party to the Paris Convention for the Protection of Industrial Property or one Member of the World Trade Organization for which that earlier application was filed (Rule 4.10(b)(ii)).

**Box No. VII INTERNATIONAL SEARCHING AUTHORITY**

Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code maybe used):

ISA /EP

Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):

Date (day/month/year) Number Country (or regional Office)

**Box No. VIII DECLARATIONS**

The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable check-boxes below and indicate in the right column the number of each type of declaration):

Number of declarations

|                                             |                                                                                                                                      |   |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|---|
| <input type="checkbox"/> Box No. VIII (i)   | Declaration as to the identity of the inventor                                                                                       | : |
| <input type="checkbox"/> Box No. VIII (ii)  | Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent             | : |
| <input type="checkbox"/> Box No. VIII (iii) | Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application | : |
| <input type="checkbox"/> Box No. VIII (iv)  | Declaration of inventorship (only for the purposes of the designation of the United States of America)                               | : |
| <input type="checkbox"/> Box No. VIII (v)   | Declaration as to non-prejudicial disclosures or exceptions to lack of novelty                                                       | : |

**Box No. IX CHECK LIST; LANGUAGE OF FILING**

|                                                                                                                                  |                                                                                                                                                                                                                                |     |                        |
|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------|
| <b>This international application contains:</b>                                                                                  | <b>This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):</b>                                                    |     | <b>Number of items</b> |
| (a) in paper form, the following number of sheets:                                                                               |                                                                                                                                                                                                                                |     |                        |
| request (including declaration sheets) : 5                                                                                       | <input checked="" type="checkbox"/> fee calculation sheet                                                                                                                                                                      | : 1 |                        |
| description (excluding sequence listings and/or tables related thereto) : 23                                                     | <input type="checkbox"/> original separate power of attorney                                                                                                                                                                   | :   |                        |
| claims : 3                                                                                                                       | <input type="checkbox"/> original general power of attorney                                                                                                                                                                    | :   |                        |
| abstract : 1                                                                                                                     | <input type="checkbox"/> copy of general power of attorney; reference number, if any:                                                                                                                                          | :   |                        |
| drawings : 0                                                                                                                     | <input type="checkbox"/> statement explaining lack of signature                                                                                                                                                                | :   |                        |
| <b>Sub-total number of sheets : 32</b>                                                                                           | <input type="checkbox"/> priority document(s) identified in Box No. VI as item(s):                                                                                                                                             | :   |                        |
| sequence listings :                                                                                                              | <input type="checkbox"/> translation of international application into (language):                                                                                                                                             | :   |                        |
| tables related thereto :                                                                                                         | <input type="checkbox"/> separate indications concerning deposited microorganisms or other biological material                                                                                                                 | :   |                        |
| (for both, actual number of sheets if filed in paper form, whether or not also filed in computer readable form; see (c) below) : | <input type="checkbox"/> sequence listing in computer readable form (indicate type and number of carriers)                                                                                                                     | :   |                        |
| <b>Total number of sheets : 32</b>                                                                                               | (i) <input type="checkbox"/> copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application)                                                                  | :   |                        |
| (b) <input type="checkbox"/> only in computer readable form (Section 801(a)(i))                                                  | (ii) <input type="checkbox"/> (only where check-box (b)(i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter               | :   |                        |
| (i) <input type="checkbox"/> sequence listings                                                                                   | (iii) <input type="checkbox"/> together with relevant statement as to the identity of the copy or copies with the sequence listings part mentioned in left column                                                              | :   |                        |
| (ii) <input type="checkbox"/> tables related thereto                                                                             | 10. tables in computer readable form related to sequence listing (indicate type and number of carriers)                                                                                                                        | :   |                        |
| (c) <input type="checkbox"/> also in computer readable form (Section 801(a)(ii))                                                 | (i) <input type="checkbox"/> copy submitted for the purposes of international search under Section 802 (b-quater) only (and not as part of the international application)                                                      | :   |                        |
| (i) <input type="checkbox"/> sequence listings                                                                                   | (ii) <input type="checkbox"/> (only where check-box (b)(ii) or (c)(ii) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Section 802 (b-quater) | :   |                        |
| (ii) <input type="checkbox"/> tables related thereto                                                                             | (iii) <input type="checkbox"/> together with relevant statement as to the identity of the copy or copies with the tables mentioned in left column                                                                              | :   |                        |
| Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the                                         | 11. other (specify):                                                                                                                                                                                                           | :   |                        |
| <input type="checkbox"/> sequence listing:                                                                                       |                                                                                                                                                                                                                                |     |                        |
| <input type="checkbox"/> tables related thereto:                                                                                 |                                                                                                                                                                                                                                |     |                        |
| (additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)                                             |                                                                                                                                                                                                                                |     |                        |
| <b>Figure of the drawings which should accompany the abstract:</b>                                                               | <b>Language of filing of the international application: English</b>                                                                                                                                                            |     |                        |

**Box No. X SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE***Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).*

Edward A. Meilman, Agent for Applicant(s)  
DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP

|                                                                                                                                             |                                    |                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------------------------------------------------------------|
| For receiving Office use only                                                                                                               |                                    |                                                                                          |
| 1. Date of actual receipt of the purported international application:                                                                       | 2. Drawings:                       |                                                                                          |
| 3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application: | <input type="checkbox"/> received: | <input type="checkbox"/> not received:                                                   |
| 4. Date of timely receipt of the required corrections under PCT Article 11(2):                                                              |                                    |                                                                                          |
| 5. International Searching Authority<br>(if two or more are competent):                                                                     | ISA /                              | 6. <input type="checkbox"/> Transmittal of search copy delayed until search fee is paid. |
| For International Bureau use only                                                                                                           |                                    |                                                                                          |
| Date of receipt of the record copy by the International Bureau:                                                                             |                                    |                                                                                          |